

Digital Micro Hardness Tester HVS-1000



- Model HVS-1000 digital micro hardness tester is an integrated optical, mechanical and electrical popularized type micro hardness tester
- This tester adopts programming by computer software, high magnification optical measuring system and photo electric sensor etc such technique
- By means of input by membrane switches, it may adjust the measurement of either strong or weak light source, preset the holding time for test force or load, cut and change either the Vicker's or Knoop's test method
- The hardness tester is also equipped with photographic device that may take photo of all measured indentation and the metallographic formation of materials
- It is suitable to measure the micro hardness of small, thin specimen, and superficial permeable coating (or plating) layer etc such specimen, as well as to measure the micro hardness of glass, ceramics, agate, and gem etc such brittle materials

Specifications

Test load	0.098,0.246,0.49,0.98,1.96,2.94,4.90,9.80N (10-1000kgf)	
Loading mechanism	Automatic loading and releasing method	
Magnification of microscope	Measuring:400x (Object lens 40x, Eyepiece 10x) Observation:100x (Object lens 10x, Eyepiece 10x)	
Load holding time	5-60sec	
Measuring microscope	Mechanical	
	Digital	
	Max.measuring length	150 μ m
	Min.measuring unit	0.0625 μ m
Max.height of specimen	Approx 65mm	
Max.depth of specimen	Approx 85mm	
Micro test table	Dimension:100_100mm Max.movement:25mm in X&Y axis Min.micro graduation:1/100mm	
Digital data display	(5-2500)HV	
Automatic recorder	Printer	
Photographic device	Possible to install at any time	
Dimensions of tester	W290 x D405 x M480mm	
Weight of tester	25kg	
Power supply	AC220V/110V ± 10% 50Hz/60Hz	

Standard delivery

Main unit	1	Micro Vickers indenter	1
10 x objective	1	40 x objective	1
Weight shaft	1	Weight	6
Cross testing table	1	Fine wire holder	1
Screwdriver	2	Horizontal adjusting screw	4
Level	1	Lamp (6V/2 W)	2
Fuse 1A, 2A	2	Certificate	1
Manual	1	Manual for printer	1
10 x micrometer eyepiece			1
Micro Vickers hardness test block (medium)			1

Optional accessories

- Depending on customer demand